

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/661,378

Source:

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## RAW SEQUENCE LISTING

DATE: 02/16/2005

PATENT APPLICATION: US/10/661,378

TIME: 14:34:41

Input Set : N:\Crf3\RULE60\10661378.raw.txt

Output Set: N:\CRF4\02162005\J661378.raw

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1 <110> APPLICANT: Dubin, Adrienne E
2     Erlander, Mark G
3     Huvar, Arne
4     Huvar, Rene
5     Buehler, Lukas K
6 <120> TITLE OF INVENTION: DNA ENCODING A HUMAN SUBUNIT 5-HT3-C OF THE 5-HT3 SEROTONIN
7     RECEPTOR
8 <130> FILE REFERENCE: ORT-1039
9 <140> CURRENT APPLICATION NUMBER: US/10/661,378
10 <141> CURRENT FILING DATE: 2003-09-12
11 <150> PRIOR APPLICATION NUMBER: US/09/955,524
12 <151> PRIOR FILING DATE: 2001-09-12
13 <160> NUMBER OF SEQ ID NOS: 12
14 <170> SOFTWARE: PatentIn Ver. 2.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 27
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
20 <220> FEATURE:
21 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
22 <400> SEQUENCE: 1
23     gtagaagctg agggcatcaa tggcaac                                27
25 <210> SEQ ID NO: 2
26 <211> LENGTH: 27
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
31 <400> SEQUENCE: 2
32     ctggtcaccc tcattggctt atcatac                                27
34 <210> SEQ ID NO: 3
35 <211> LENGTH: 25
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: Nested PCR
40     primer
41 <400> SEQUENCE: 3
42     actgacagtg aggcagagga gggca                                25
44 <210> SEQ ID NO: 4
45 <211> LENGTH: 25
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence

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48 &lt;220&gt; FEATURE:

49 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:

50 oligonucleotide

51 &lt;400&gt; SEQUENCE: 4

52 cctggtgaat ccccagagaa gagtc

25

54 &lt;210&gt; SEQ ID NO: 5

55 &lt;211&gt; LENGTH: 1745

56 &lt;212&gt; TYPE: DNA

57 &lt;213&gt; ORGANISM: Homo sapiens

58 &lt;400&gt; SEQUENCE: 5

59 tgggtgaatcc ccagagaaga gtccagaaag aagaatggaa ggaggggtggc ctgcaaggca 60  
 60 gagtgccctc ctctgcctca ctgtcagtct tctgcttcaa ggaagaggcg acgcttttac 120  
 61 catcaattgc tcaggtcttg accagcatgg ggttgaccct gctgtcttcc aagcagtgtt 180  
 62 tgacagaaag gccttccgtc cattcaccaa ctacagcatc cctaccctgt tcaacatctc 240  
 63 cttcacccctg tctgccatcc tgggagtggg tgcacagctc cagctgctga catcattcct 300  
 64 gtggatggat ttggtatggg acaatccttt cattaattgg aacccaaaag agtgtgttgg 360  
 65 catcaataaa ctcacagtat tagctgaaaa cctgtggctc ccagacatct tcatcgtgga 420  
 66 atccatggat gtggatcaga cgccttccgg tctcactgcc tatatcagca gtgaagggtc 480  
 67 aattaagtat gataagccaa tgagggtgac cagcatctgt aaactggaca tcttctactt 540  
 68 cccttttgac caacagaact gtaccttcac cttcagttct ttcctctaca cagtggacag 600  
 69 catgctgctg ggcattggaca aggaggtgtg ggagatcaca gacacgtctc gcaaagtcac 660  
 70 ccaaaccag ggggagtggg agctcttggg catcaacaag gccaccccaa agatgtccat 720  
 71 gggcaacaac ctatatgacc agatcatgtt ttatgtggcc atcaggcgca ggccaagcct 780  
 72 ctacatcata aacctgctgg tgcacagtag ctttctgggt gccattgatg ccctcagctt 840  
 73 ctacctgcca gcagagagcg agaatcgtgc ccattcaag ataacacttc tgcgtgggcta 900  
 74 caacgtcttc ctgctcatga tgaatgactt gctccctgcc agtggcacc ccctcatcag 960  
 75 tgtctacttc gccctgtgcc tgtccctgat ggtgggtcagc ctgctggaga ccgtcttcat 1020  
 76 tacctacctg ctgcacgtgg ccaccaccca gccccacccc atgcctagggt ggcttcaactc 1080  
 77 cctgctgctc cactgcacca gccagggag atgctgtccc actgcgcccc agaagggaaa 1140  
 78 taagggcctg ggtctcacc tcacccacct gcctggccca aaggagccgg gggagttagc 1200  
 79 agggagaag ctgggaccca gagagaccga gccagatggg ggctcagcat ggacaaagac 1260  
 80 ccagctaatt gagctgtggg tgcagttcag ccacgcgatg gacaccctgc tcttccgcct 1320  
 81 ctacctgctc ttcatggcct cctccatcct tactgtcatt gtcccttggg acaccataggc 1380  
 82 agacatcccc cctctctggc aaacaacagc ttggagtctt tgcgtggtctt gggccagccg 1440  
 83 gactcatttt cctaattctta gccacttatc ccagtgact accatgtccc cttctaaatt 1500  
 84 ccaaagaatc caacgcagca ctagcaagca ggttcaggac agccctggac gatttcccga 1560  
 85 ccgctgctca ggggtggtcat tctgctcac cctcagtttc cctgaggtac cacctaactc 1620  
 86 ctcactccct gatcaatgga agttcagggtc agtggaggtc ttcttggatt gatcacccca 1680  
 87 ataaacaact tttcagggaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1740  
 88 aaaaaa 1745

90 &lt;210&gt; SEQ ID NO: 6

91 &lt;211&gt; LENGTH: 1344

92 &lt;212&gt; TYPE: DNA

93 &lt;213&gt; ORGANISM: Homo sapiens

94 &lt;400&gt; SEQUENCE: 6

95 atggaaggag ggtggcctgc aaggcagagt gccctcctct gcctcactgt cagtcttctg 60  
 96 cttcaaggaa gaggcgacgc ttttaccatc aattgctcag gctttgacca gcatgggggtt 120  
 97 gaccctgctg tcttccaagc agtgtttgac agaaaggcct tccgtccatt caccaactac 180  
 98 agcatcccta cccgtgtcaa catctccttc accctgtctg ccatcctggg agtggatgca 240

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99      cagctccagc tgctgacatc attcctgtgg atggatttgg tatgggacaa tcctttcatt 300
100     aattggaacc caaaagagtg tgttggcatc aataaactca cagtattagc tgaaaacctg 360
101     tggtccccag acatcttcat cgtggaatcc atggatgtgg atcagacgcc ttccggtctc 420
102     actgcctata tcagcagtga aggtcgaaat aagtatgata agccaatgag ggtgaccagc 480
103     atctgtaacc tggacatctt ctacttcctt tttagaccaac agaactgtac cttcaccttc 540
104     agttcttttc tctacacagt ggacagcatg ctgctgggca tggacaagga ggtgtgggag 600
105     atcacagaca cgtctcgcaa agtcatccaa acccaggggg agtgggagct cttgggcatc 660
106     aacaaggcca ccccaaagat gtccatgggc aacaacctat atgaccagat catgttttat 720
107     gtggccatca ggcgcaggcc aagcctctac atcataaacc tgctggtgcc cagtagcttt 780
108     ctggttgcca ttgatgccct cagcttctac ctgccagcag agagcgagaa tcgtgcccc 840
109     ttcaagataa cacttctgct gggctacaac gtcttctctg tcatgatgaa tgacttgctc 900
110     cctgccagtg gcacccccct catcagtgtc tacttcgccc tgtgcctgtc cctgatggtg 960
111     gtcagcctgc tggagaccgt cttcattacc tacctgctgc acgtggccac caccagccc 1020
112     ccacccatgc ctaggtggct tcaactcctg ctgctccact gcaccagccc agggagatgc 1080
113     tgtcccactg cgccccagaa gggaaataag ggccctgggtc tcaccctcac ccacctgct 1140
114     ggcccaaagg agccggggga gtttagcagg aagaagctgg gacccagaga gaccgagcca 1200
115     gatgggggct caggatggac aaagaccag ctaatggagc tgtgggtgca gttcagccac 1260
116     gcgatggaca cctgctctt cgcctctac ctgctcttca tggcctctc catccttact 1320
117     gtcattgtcc tctggaacac ctacg          1344
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 51
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning
125     oligonucleotide for mammalian vector
126 <400> SEQUENCE: 7
127     aacgttgaat tcgccaccat gttgtcaagt gtaatggctc ccctgtgggc c          51
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 40
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: cloning
135     oligonucleotide for mammalian vector
136 <400> SEQUENCE: 8
137     aacgttaagc tttcttaagt gccagcacia ttacttgaag          40
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 447
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 9
144     Met Glu Gly Gly Trp Pro Ala Arg Gln Ser Ala Leu Leu Cys Leu Thr
145         1             5             10             15
146     Val Ser Leu Leu Leu Gln Gly Arg Gly Asp Ala Phe Thr Ile Asn Cys
147         20             25             30
148     Ser Gly Phe Asp Gln His Gly Val Asp Pro Ala Val Phe Gln Ala Val
149         35             40             45
150     Phe Asp Arg Lys Ala Phe Arg Pro Phe Thr Asn Tyr Ser Ile Pro Thr

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151	50	55	60
152	Arg Val Asn Ile Ser Phe Thr Leu Ser Ala Ile Leu Gly Val Asp Ala		
153	65	70	75
154	Gln Leu Gln Leu Leu Thr Ser Phe Leu Trp Met Asp Leu Val Trp Asp		
155	85	90	95
156	Asn Pro Phe Ile Asn Trp Asn Pro Lys Glu Cys Val Gly Ile Asn Lys		
157	100	105	110
158	Leu Thr Val Leu Ala Glu Asn Leu Trp Leu Pro Asp Ile Phe Ile Val		
159	115	120	125
160	Glu Ser Met Asp Val Asp Gln Thr Pro Ser Gly Leu Thr Ala Tyr Ile		
161	130	135	140
162	Ser Ser Glu Gly Arg Ile Lys Tyr Asp Lys Pro Met Arg Val Thr Ser		
163	145	150	155
164	Ile Cys Asn Leu Asp Ile Phe Tyr Phe Pro Phe Asp Gln Gln Asn Cys		
165	165	170	175
166	Thr Phe Thr Phe Ser Ser Phe Leu Tyr Thr Val Asp Ser Met Leu Leu		
167	180	185	190
168	Gly Met Asp Lys Glu Val Trp Glu Ile Thr Asp Thr Ser Arg Lys Val		
169	195	200	205
170	Ile Gln Thr Gln Gly Glu Trp Glu Leu Leu Gly Ile Asn Lys Ala Thr		
171	210	215	220
172	Pro Lys Met Ser Met Gly Asn Asn Leu Tyr Asp Gln Ile Met Phe Tyr		
173	225	230	235
174	Val Ala Ile Arg Arg Arg Pro Ser Leu Tyr Ile Ile Asn Leu Leu Val		
175	245	250	255
176	Pro Ser Ser Phe Leu Val Ala Ile Asp Ala Leu Ser Phe Tyr Leu Pro		
177	260	265	270
178	Ala Glu Ser Glu Asn Arg Ala Pro Phe Lys Ile Thr Leu Leu Leu Gly		
179	275	280	285
180	Tyr Asn Val Phe Leu Leu Met Met Asn Asp Leu Leu Pro Ala Ser Gly		
181	290	295	300
182	Thr Pro Leu Ile Ser Val Tyr Phe Ala Leu Cys Leu Ser Leu Met Val		
183	305	310	315
184	Val Ser Leu Leu Glu Thr Val Phe Ile Thr Tyr Leu Leu His Val Ala		
185	325	330	335
186	Thr Thr Gln Pro Pro Pro Met Pro Arg Trp Leu His Ser Leu Leu Leu		
187	340	345	350
188	His Cys Thr Ser Pro Gly Arg Cys Cys Pro Thr Ala Pro Gln Lys Gly		
189	355	360	365
190	Asn Lys Gly Leu Gly Leu Thr Leu Thr His Leu Pro Gly Pro Lys Glu		
191	370	375	380
192	Pro Gly Glu Leu Ala Gly Lys Lys Leu Gly Pro Arg Glu Thr Glu Pro		
193	385	390	395
194	Asp Gly Gly Ser Gly Trp Thr Lys Thr Gln Leu Met Glu Leu Trp Val		
195	405	410	415
196	Gln Phe Ser His Ala Met Asp Thr Leu Leu Phe Arg Leu Tyr Leu Leu		
197	420	425	430
198	Phe Met Ala Ser Ser Ile Leu Thr Val Ile Val Leu Trp Asn Thr		
199	435	440	445

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201 <210> SEQ ID NO: 10
202 <211> LENGTH: 20
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR
207     distribution oligonucleotide
208 <400> SEQUENCE: 10
209     cgtggaatcc atggatgtgg                                20
211 <210> SEQ ID NO: 11
212 <211> LENGTH: 20
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR
217     distribution oligonucleotide
218 <400> SEQUENCE: 11
219     tggcagggag caagtcattc                                20
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 30
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR
227     distribution oligonucleotide
228 <400> SEQUENCE: 12
229     gtgggagatc acagacacgt ctcgcaaagt                    30

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/661,378

DATE: 02/16/2005  
TIME: 14:34:42

Input Set : N:\Crf3\RULE60\10661378.raw.txt  
Output Set: N:\CRF4\02162005\J661378.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/661,378

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Input Set : N:\Crf3\RULE60\10661378.raw.txt

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